

Appl. No.: 09/730,188
Amdt. Dated: August 1, 2006
Reply to Office action of: May 31, 2006

Amendments to the Drawings:

Please replace drawing sheet 1/10 with the attached Replacement Sheet 1/10. Fig. 1 of sheet 1/10 has been amended to include moving speed detector 13, which is described on application pages 51-52.

REMARKS/ARGUMENTS

Applicants would like to thank the Examiner for the careful consideration given the present application. The application has been carefully reviewed in light of the Office action and amended as necessary to more clearly and particularly describe the subject matter which applicants regard as the invention.

The Examiner objected to the drawings under 37 CFR 1.83(a) for failing to show every feature of the invention as specified in the claims. The Examiner has required that the detector means of claims 11-13 and 20-22 be shown in the drawings. Fig. 1 on drawing sheet 1/10 has been amended accordingly and now includes moving speed detector 13. The paragraph at page 51, line 10 of the application has also been amended so that the description of a means for detecting a moving speed now includes reference number 13.

Claims 6, 23 and 24 stand rejected under 35 U.S.C. 103(a) as being unpatentable over applicant admitted prior art in view of Bhatt et al. (U.S. patent number 5,517,213), further in view of Zangi et al. (U.S. patent number 6,608,862). Amended claims 6, 23 and 24 recite in part, "wherein said tap arrangement control means changes the tap arrangement of said equalizing filter unit in such a manner that said tap arrangement becomes suitable for the next impulse having a large pulse component in response to an impulse response predicted by both the equalized output of said discriminator and a condition of the reception signal." The cited combination of references fails to teach or suggest an impulse response predicted by *both the equalized output of a discriminator and a condition of a reception signal*, as required by claims 6, 23 and 24. Zangi teaches that digital samples from a transmission function 107 are transmitted to a channel estimator 109 (7:2-4). The channel estimator 109 develops a channel

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estimate of an impulse response (7:13-14). A prefilter coefficient generator 110 receives the channel estimate and computes impulse responses of a desired prefilter and the impulse responses of corresponding composite channels (7:15-18). However, Zangi does not teach or suggest an impulse response predicted by *both an equalized output of a discriminator and a condition of a reception signal*. Additionally, the noted limitations are not taught or suggested by applicant admitted prior art or Bhatt. Therefore, claims 6, 23 and 24 are allowable over the cited combination of references.

The Examiner has indicated that claims 7, 11-13, 20-22, 25 and 26 contain allowable subject matter.

In light of the foregoing, it is respectfully submitted that the present application is in a condition for allowance and notice to that effect is hereby requested. If it is determined that the application is not in a condition for allowance, the Examiner is invited to initiate a telephone interview with the undersigned attorney to expedite prosecution of the present application.

If there are any additional fees resulting from this communication, please charge same to our Deposit Account No. 16-0820, our Order No. 33152.

Respectfully submitted,

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